CSA-5100

1U Rackmount Network Appliance with Intel® Xeon® Processor E3-1200 v3 Family

Features

- 4th Gen Intel® processor Xeon® E3-1200 v3 with Intel® C226 Chipset
- High scalability with four Network Interface Module (NIM) slots and one 2.5'' SATA drive bay
- Up to 32x GbE ports or 8x SFP+ with I/O intensive architecture
- Flexible storage interfaces: SATA, SATADOM, mSATA, CFast
- 1U 19'' rackmount form factor for communications infrastructure deployment



Specifications

CPU / Chipset / Memory

CPU	Intel® Xeon® E3-1275 v3 (4C/8T)
	Intel® Xeon® E3-1225 v3 (4C/4T)
	Intel® Core™ i3-4330 (2C/4T)
L2 Cache	8MB/4M/3M/2M depending on CPU
Chipset	Intel® C226 Chipset
Memory	4x DDR3-1066/1333/1600 240-pin DIMM sockets, non-ECC, up to 32 GB

BIOS

Chip	AMI BIOS on SPI flash memory

I/O Interfaces

Expansion Slots	4x Network Interface Module (NIM) slots (proprietary)
Ethernet	2x RJ-45 10/100/1000BASE-T Ethernet ports
Console	1x RJ-45 serial port
USB	2x USB 3.0
Graphics	1x VGA socket onboard

Control Buttons

Power	1x rocker-type ATX power button (rear)
Bypass	1x bypass button (front)

Storage-Internal

Drive Bays	1x 2.5" SATA drive bay
Other	1x SATADOM, 2x mSATA, 1x CFast socket

Other

LEDs	Power, bypass, drive activity
Operating System	Windows 7 64bit, Linux kernel 2.6 or above

Mechanical and Environmental

Form Factor	1U 19" rackmount 440mm x 44mm x 460 mm (W x H x D)
Fans	4x fans, variable speed (can function normally with 4 fans)
Power	300W, 100V~240VAC @ 50~60 Hz
Temperature	Operating: 0°C to +40°C
	Storage: -40°C to +70°C
	Short term operating: -5°C to +45°C (5%-90% rel. humidity)
Humidity	Operating: 20% - 90% @40°C, non-condensing
	Storage: 5% - 90%, non-condensing
Shock	Operating: Half-sine 2G, 11ms pulse, 100 pulses in each direction, on each of the three axes
	Non-operating: Trapezoidal, 25G, 170 inches/sec delta V, three drops in each direction, on each of the three axes
Vibration	Non-operating: 2.2Grms, 10 minutes per axis on all three axes
Acoustic Level	Sound pressure < 75 dBA @1m with all fans at maximum speed
Certifications	FCC Class A, CE Emissions, CCC, UL, CB and RoHS compliant
MTBF	50,000 hours

Network Interface Module

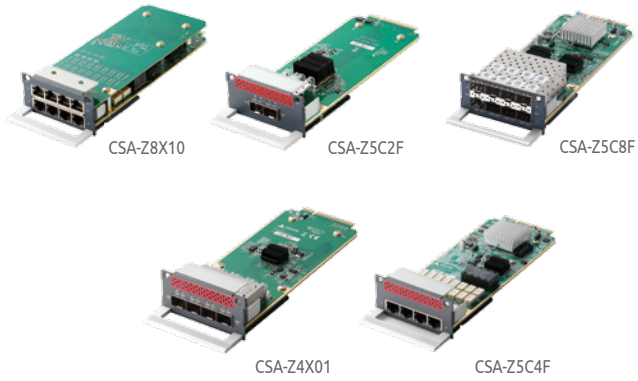
Model Number	Description	P/N
CSA-Z4X01	NIM1: 4-port GbE copper NIM with LAN bypass (Intel® I350-AM4)	91-37590-100E
CSA-Z5C4F	NIM2: 4-port GbE SFP NIM without LAN bypass (Intel® I350-AM4)	91-37585-000E
CSA-Z8X10	NIM3: 8-port GbE copper NIM with LAN bypass (2x Intel® I350-AM4)	91-37588-000E
CSA-Z5C2F	NIM4: 2-port SFP+ NIM without LAN bypass (Intel® 82599)	91-37589-000E
CSA-Z5C8F	NIM5: 8-port GbE SFP w/o LAN bypass	91-37592-000E

Software Support

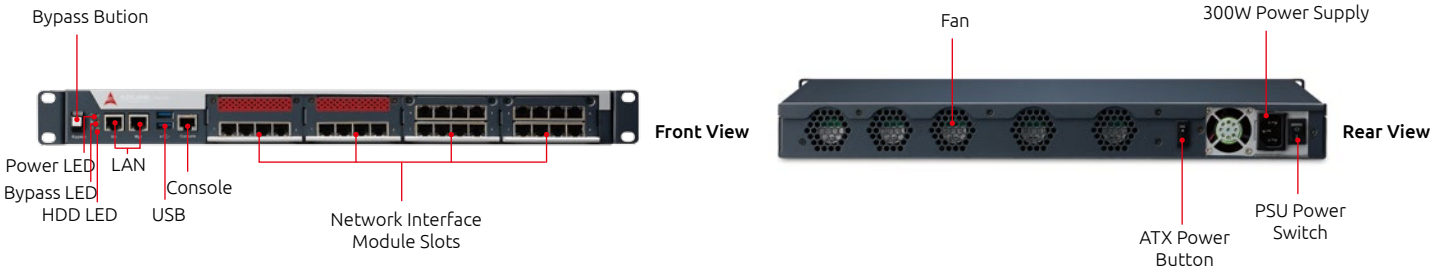
Name	Description
ADLINK PacketManager	Includes DPDK toolkit, DPI toolkit, Load Balance toolkit etc.

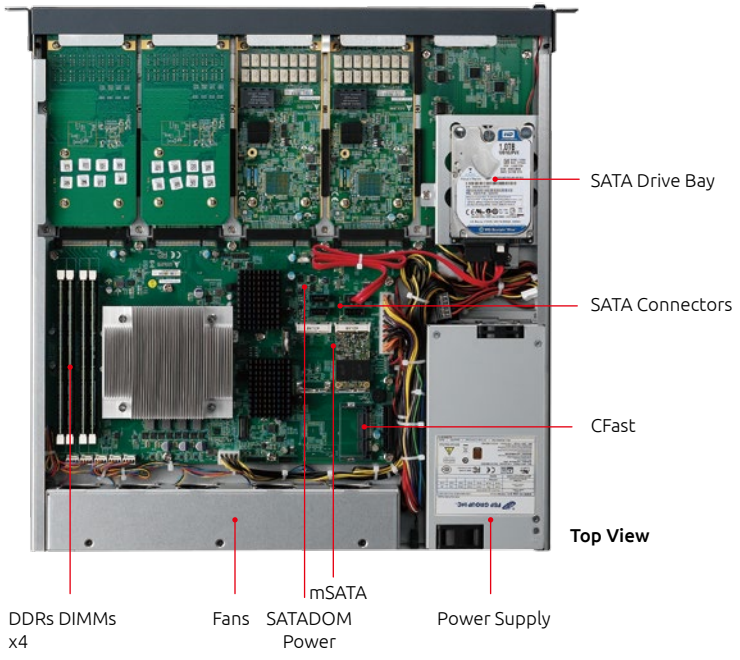
Ordering Information

Model Number	CPU	RAM	Storage	NIM
CSA-5100-E2041000000	E3-1225 v3	4G	500G 2.5" SATA HDD	1x CSA-Z4X01
CSA-5100-E3083344000	E3-1275 v3	4G+4G	500G 2.5" SATA HDD	2x CSA-Z8X10 + 2x CSA-Z5C2F



Mechanical Layout





LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

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